

FIG.1

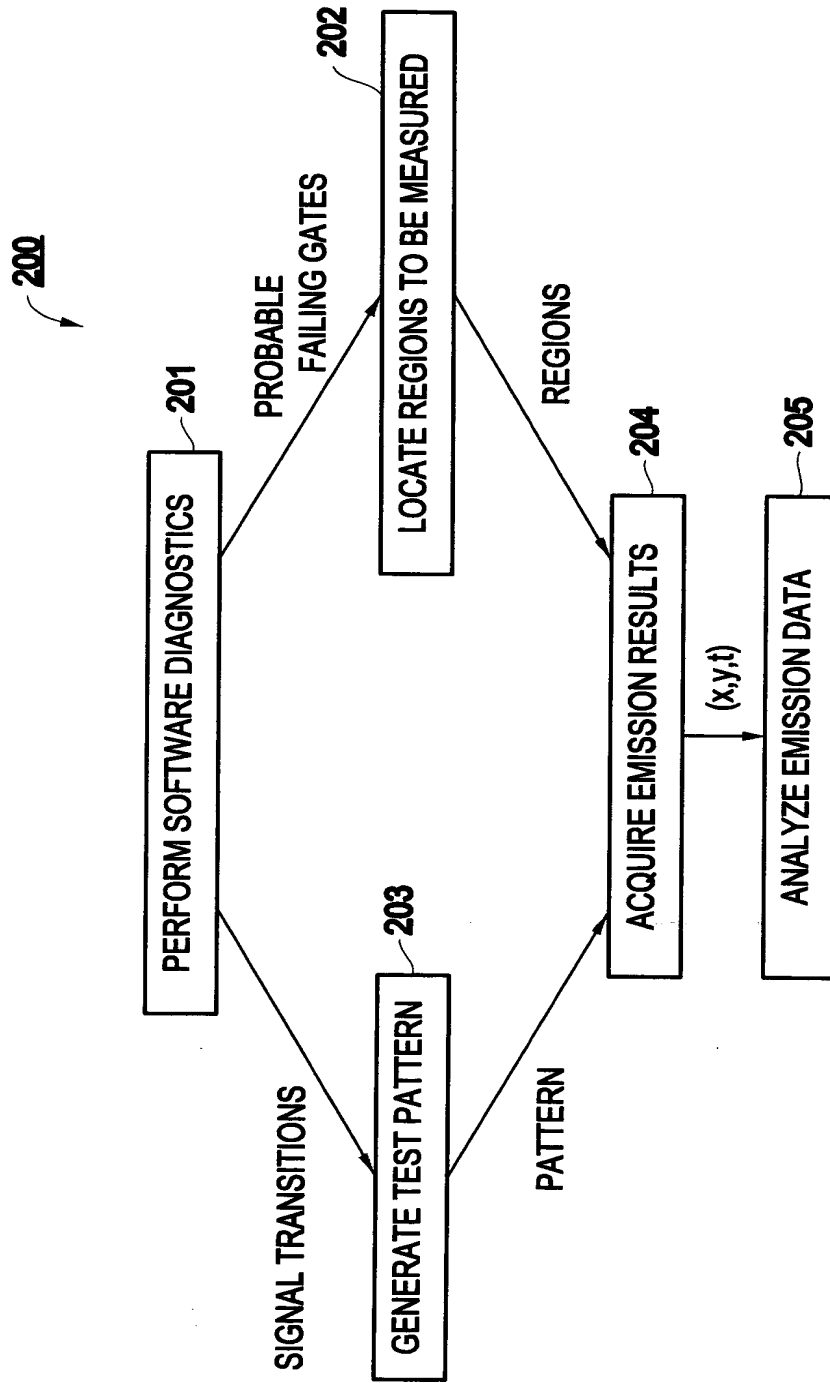


FIG.2

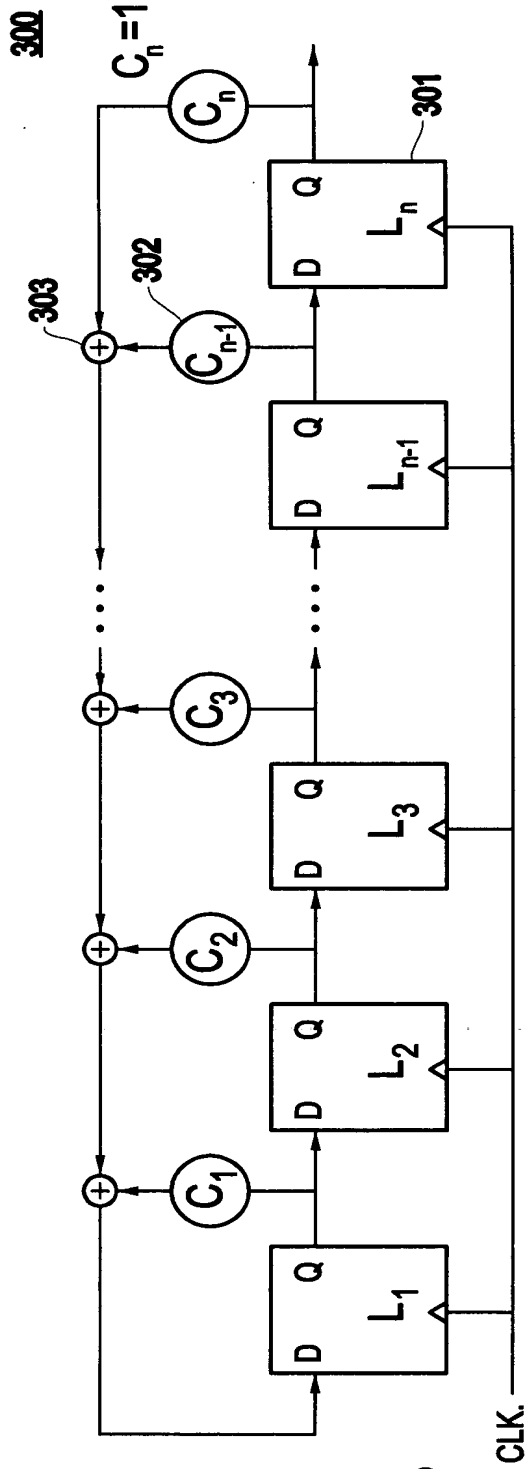


FIG. 3

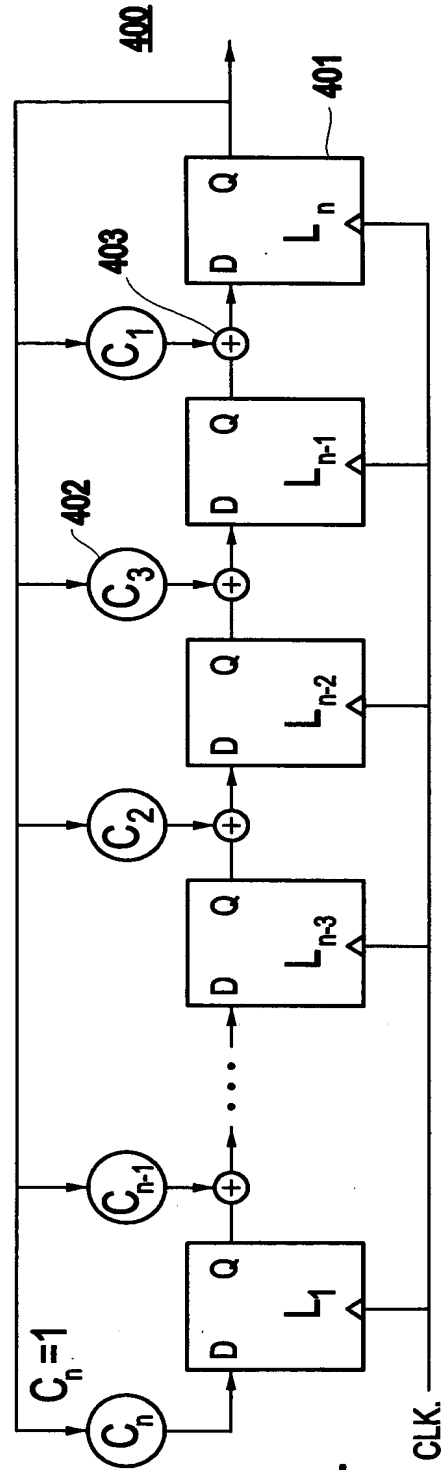
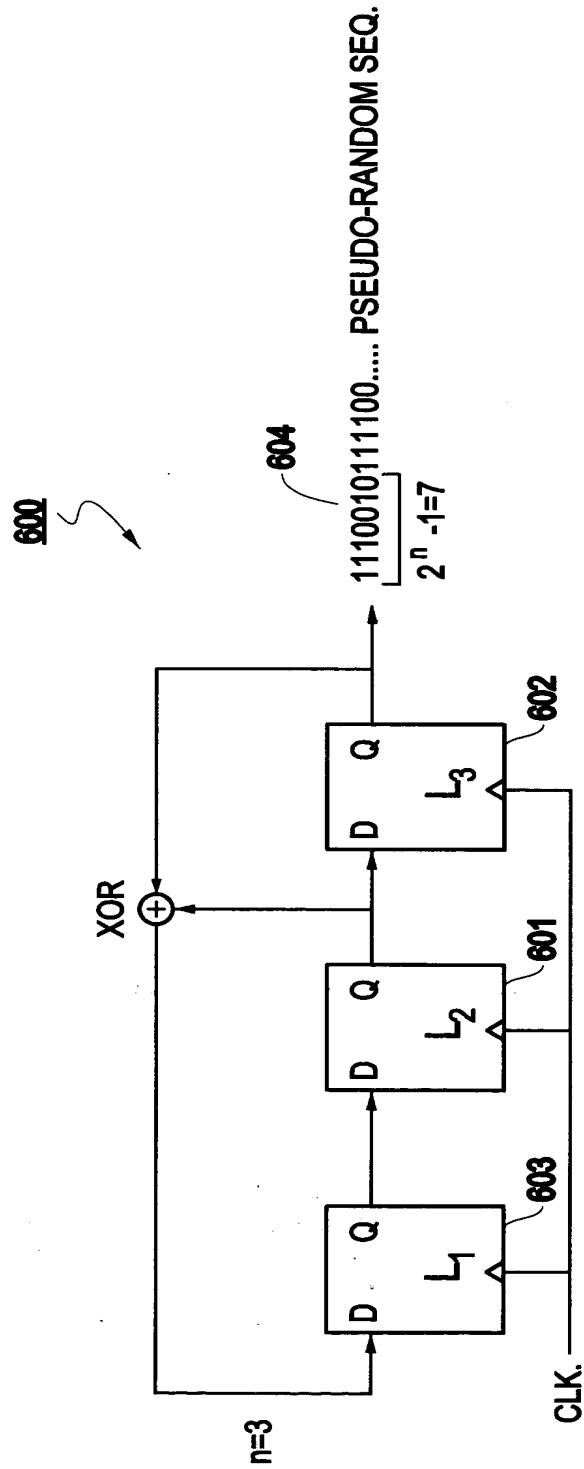


FIG. 4

FIG. 5

+/-	0	1
0	0	1
1	1	0

G.G.F.



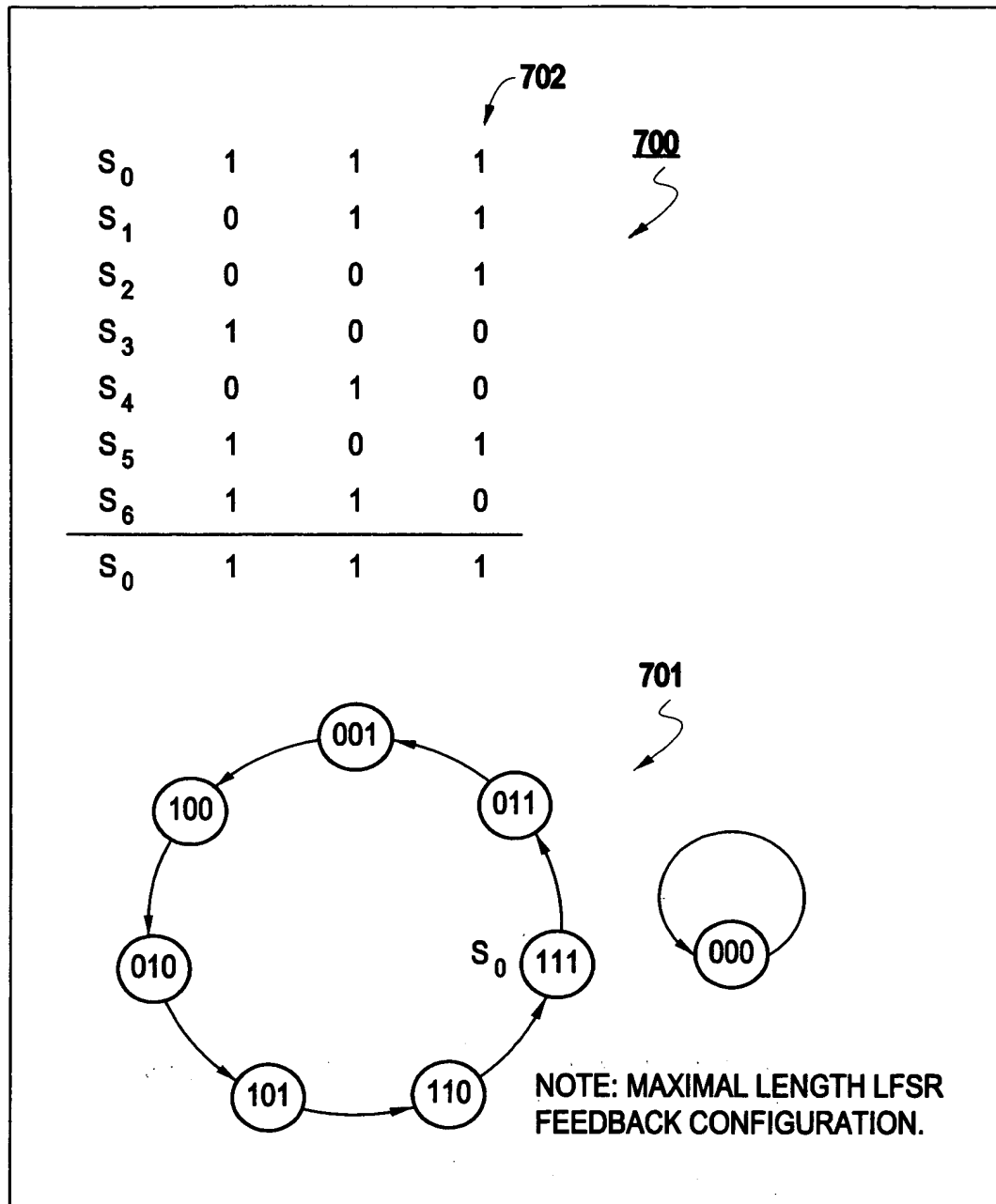


FIG.7

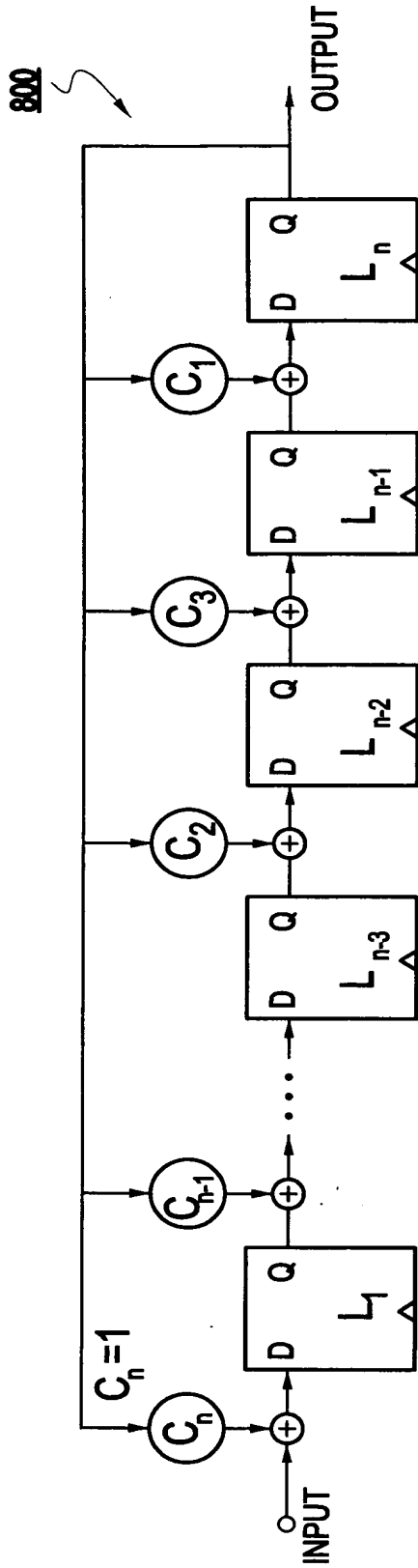


FIG. 8

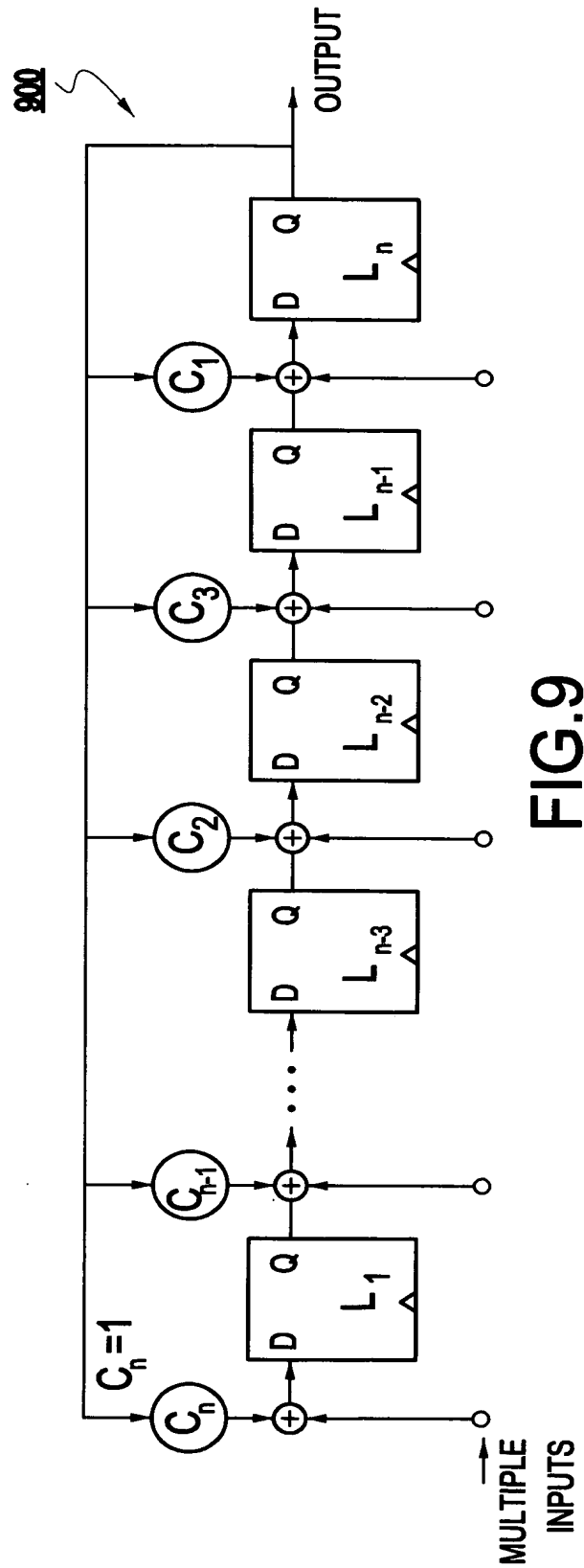
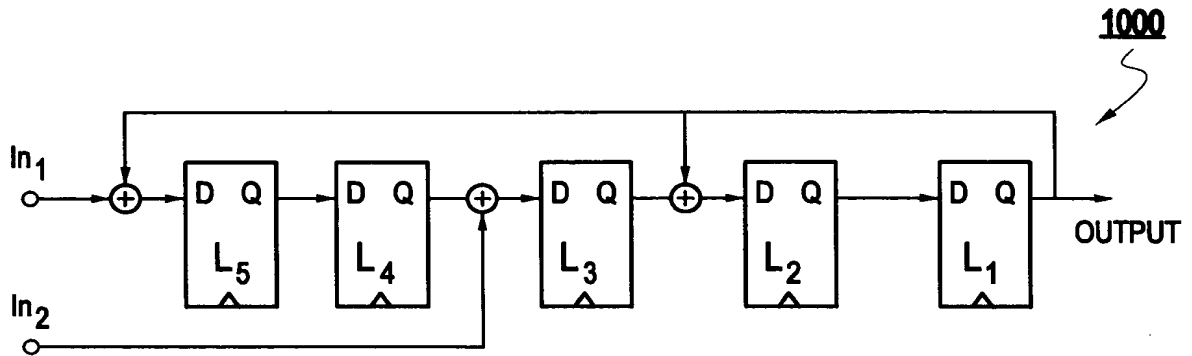


FIG. 9



					MAXIMAL LENGTH LFSR ($n=5$, $2^n-1=31$ STATES)							
L_5	L_4	L_3	L_2	L_1		In_1	In_2	L_5	L_4	L_3	L_2	L_1
1	1	1	1	1		0	1	1	1	1	1	1
1	1	1	0	1		1	1	1	1	1	0	1
1	1	1	0	0		0	1	1	0	0	0	1
0	1	1	1	0		1	1	0	0	1	0	1
0	0	1	1	1		0	0	1	0	0	1	1
1	0	0	0	1	$\leftarrow In_1 \& In_2 = 0$	0	0	1	1	0	0	0
1	1	0	1	0		1	1	1	1	0	0	0
0	1	1	0	1		1	1	1	1	0	0	0
1	0	1	0	0		0	0	0	1	1	0	0
0	1	0	1	0	$In_1 \& In_2 \neq 0 \rightarrow$	0	1	0	0	0	1	0
0	0	1	0	1		1	0	1	0	0	0	1
1	0	0	0	0		1	0	0	1	0	0	1
0	1	0	0	0		0	0	1	0	1	0	1
0	0	1	0	0		0	0	1	1	0	1	1
0	0	0	1	0		0	0	1	1	1	0	0
0	0	0	0	1		1	0	1	1	1	1	0
1	0	0	1	0		1	0	1	1	1	1	1
0	1	0	0	1		1	1	0	1	0	1	0
1	0	1	1	0		0	1	0	0	0	0	1
0	1	0	1	1		0	1	1	0	1	0	1
1	0	1	1	1		0	1	1	1	1	1	1
1	1	0	0	1		0	1	1	1	0	1	0
1	1	1	1	0		1	1	1	1	1	0	1
0	1	1	1	1		1	1	0	1	0	1	1
1	0	1	0	1		1	0	0	0	0	0	0
1	1	0	0	0		1	1	1	0	1	0	0
0	1	1	0	0		0	1	0	1	0	1	0
0	0	1	1	0		0	0	0	0	0	0	1
0	0	0	1	1		0	1	1	0	1	0	1
1	0	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
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1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
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1	1	0	1	1		0	1	1	1	0	1	0
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1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
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1	1	0	1	1		0	0	1	1	1	1	1
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1	1	0	1	1		0	0	1	1	1	1	1
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1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
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1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
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1	1	0	1	1		0	0	1	1	1	1	1
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1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1
1	1	0	1	1		0	1	1	1	0	1	0
1	1	0	1	1		0	0	1	1	1	1	1

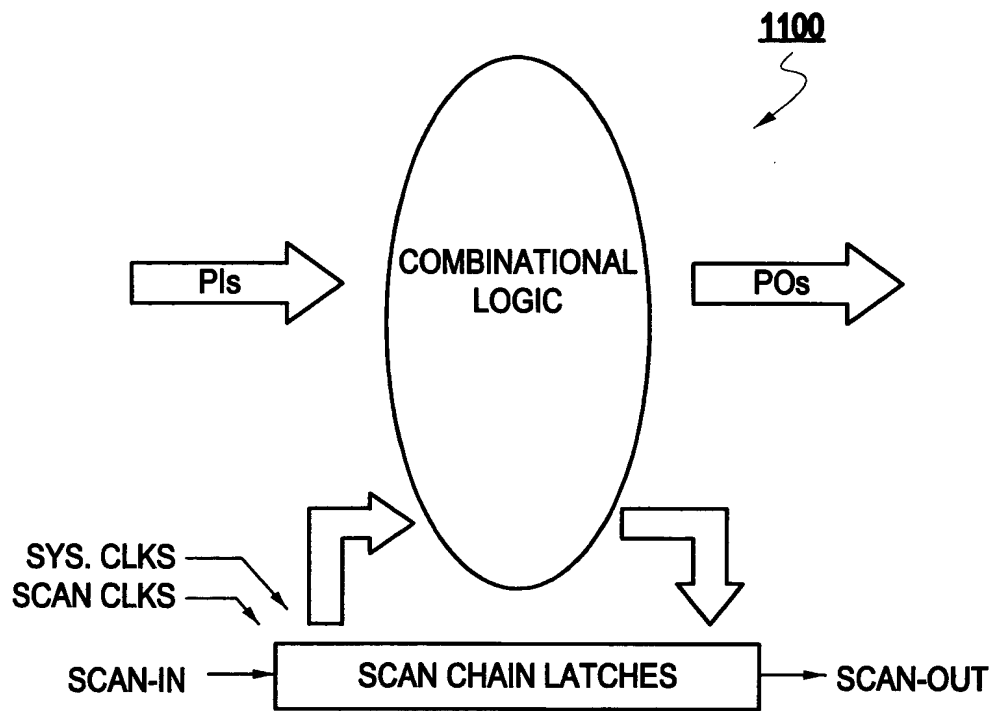


FIG.11

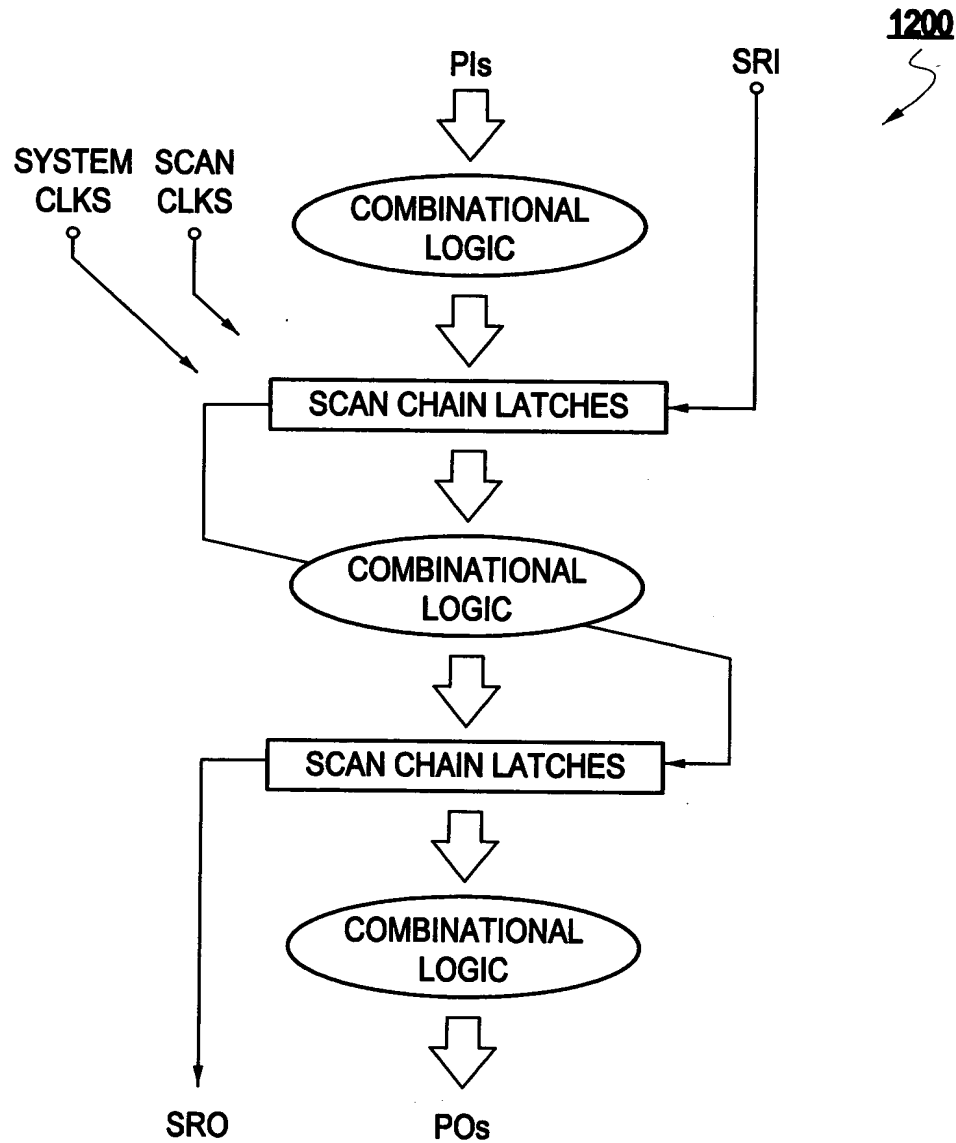


FIG.12

1300

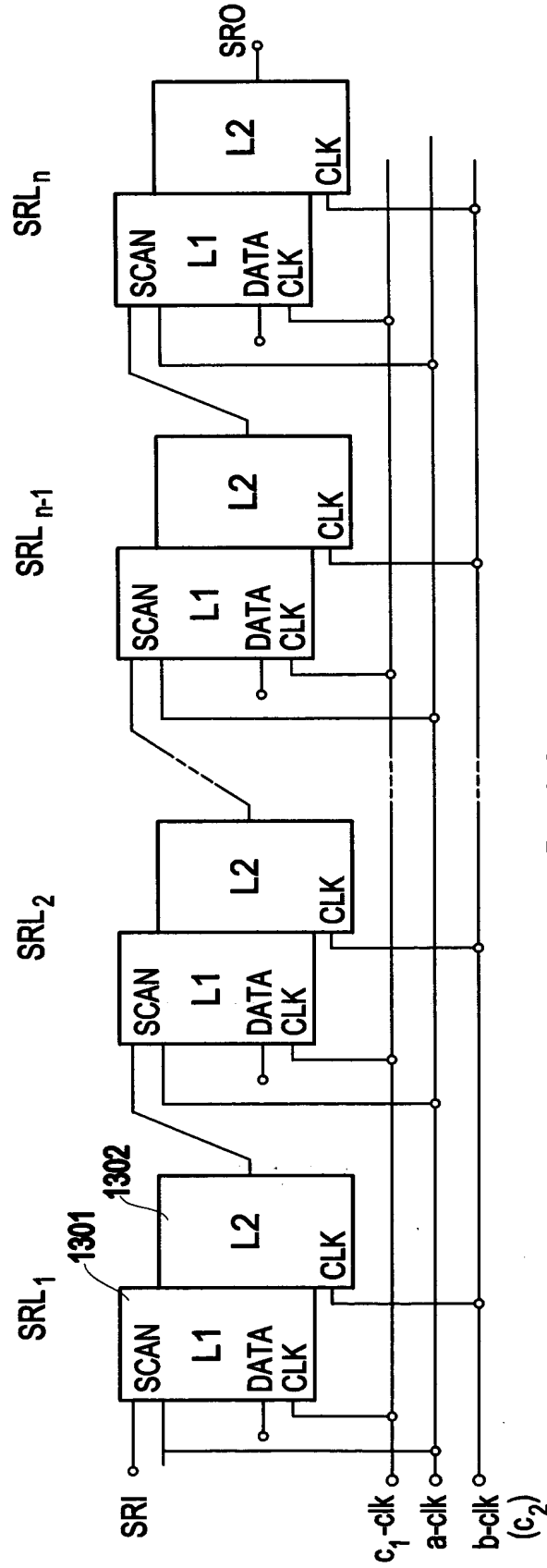
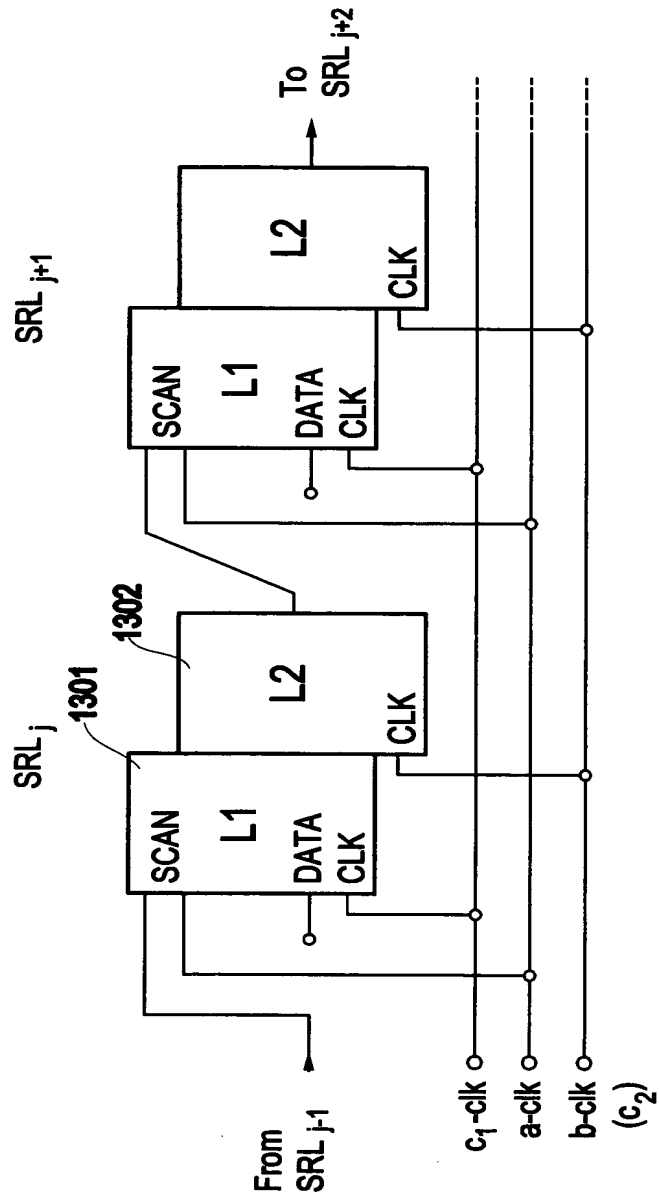


FIG.13



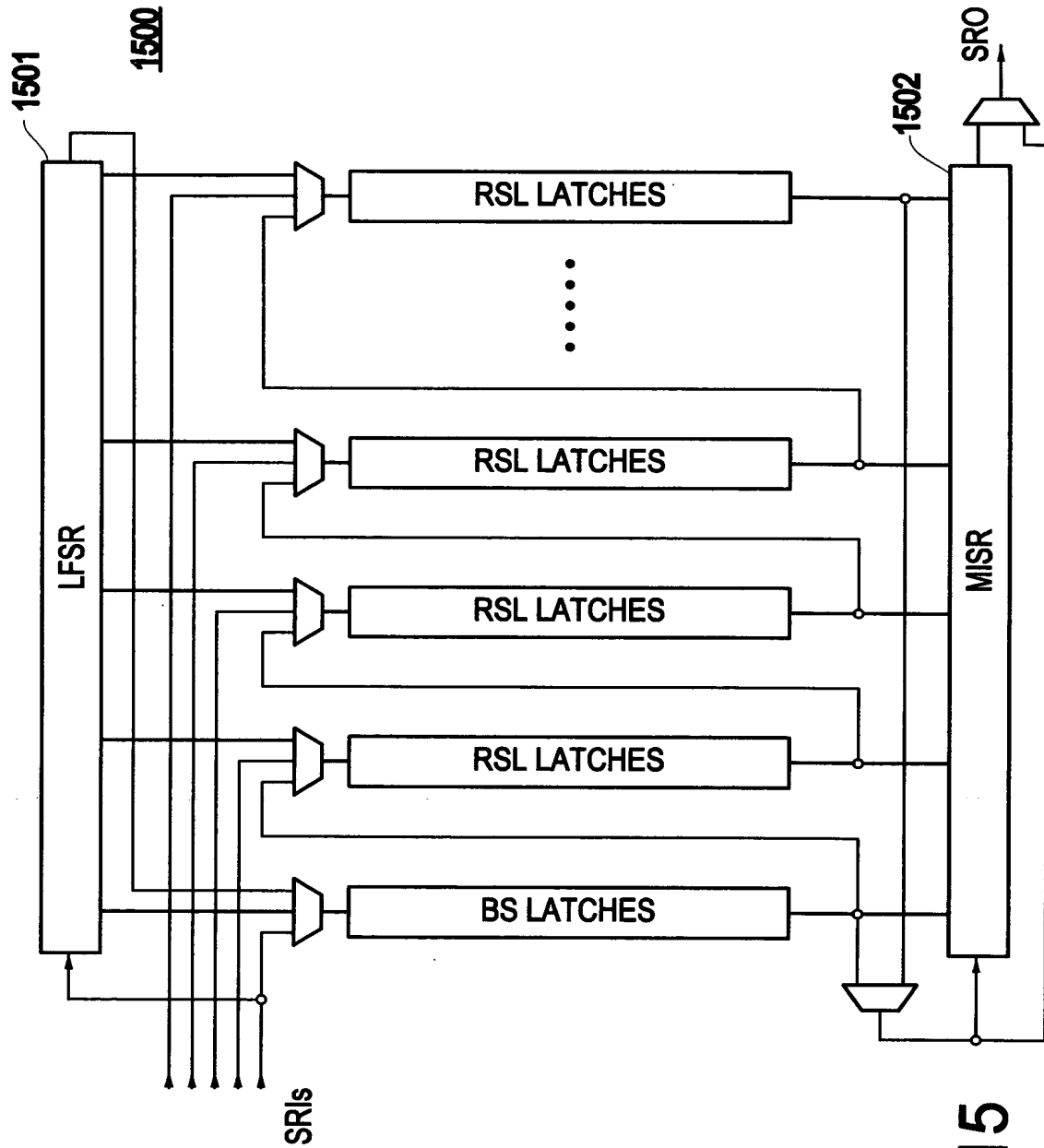


FIG.15

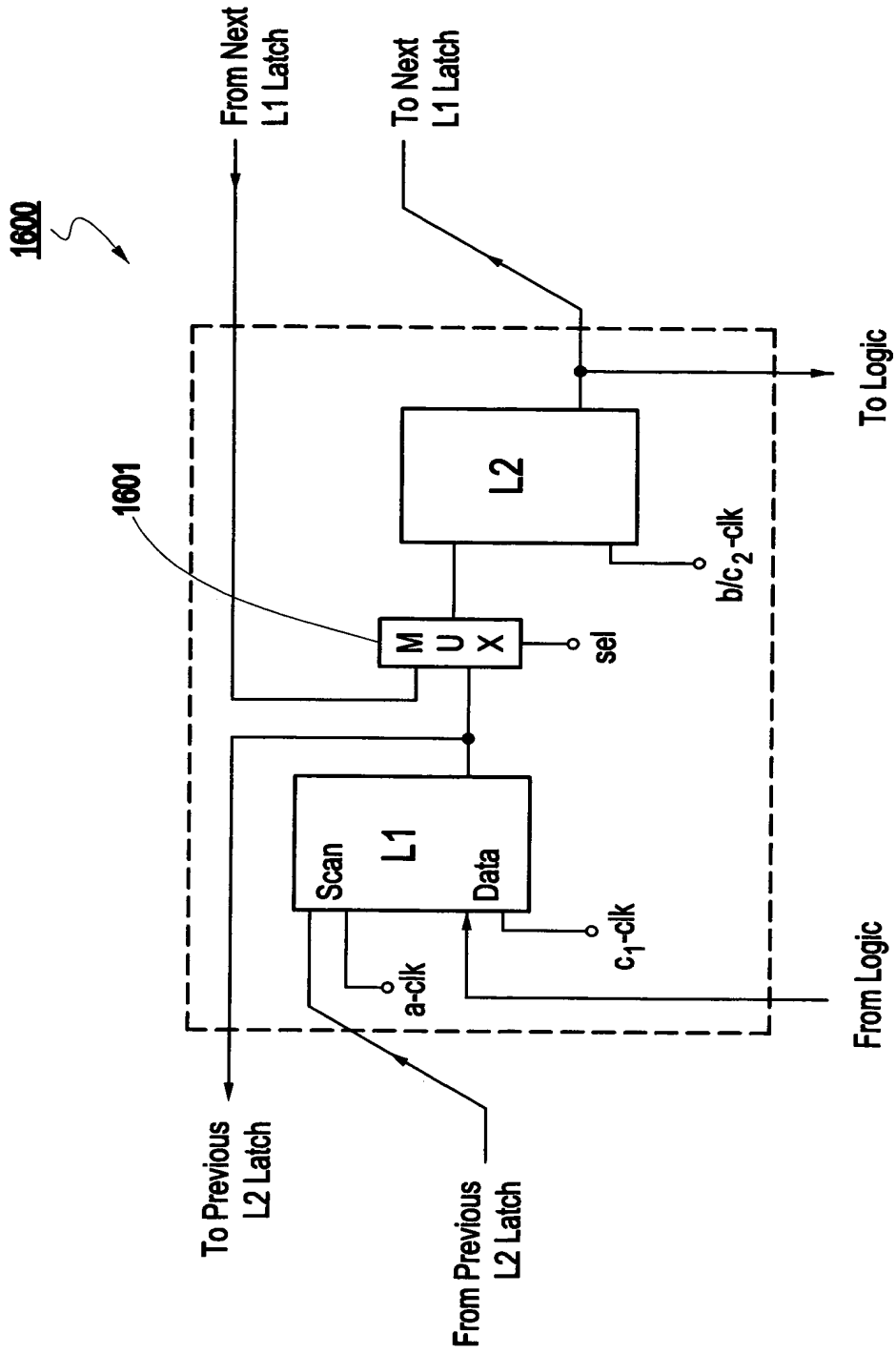


FIG.16

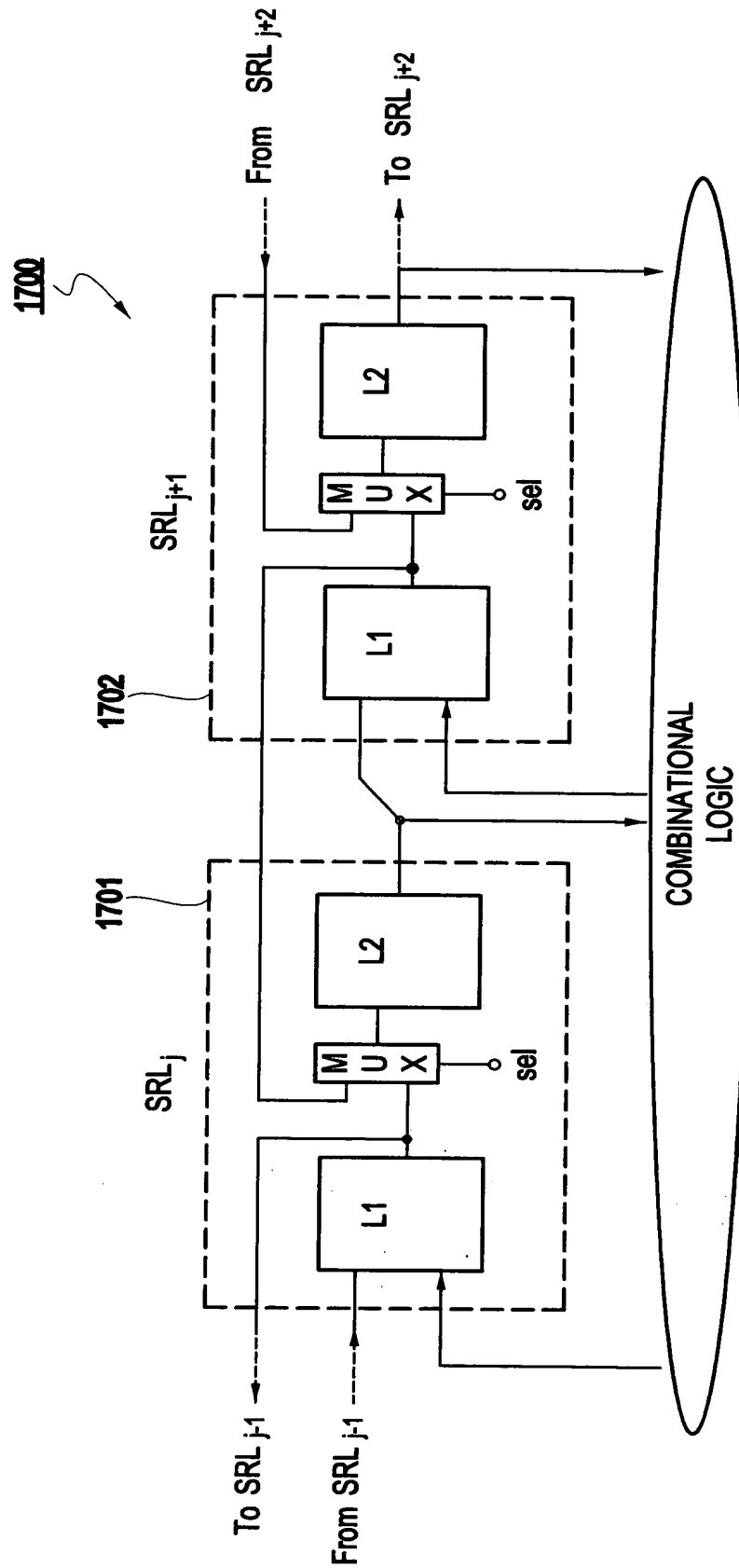
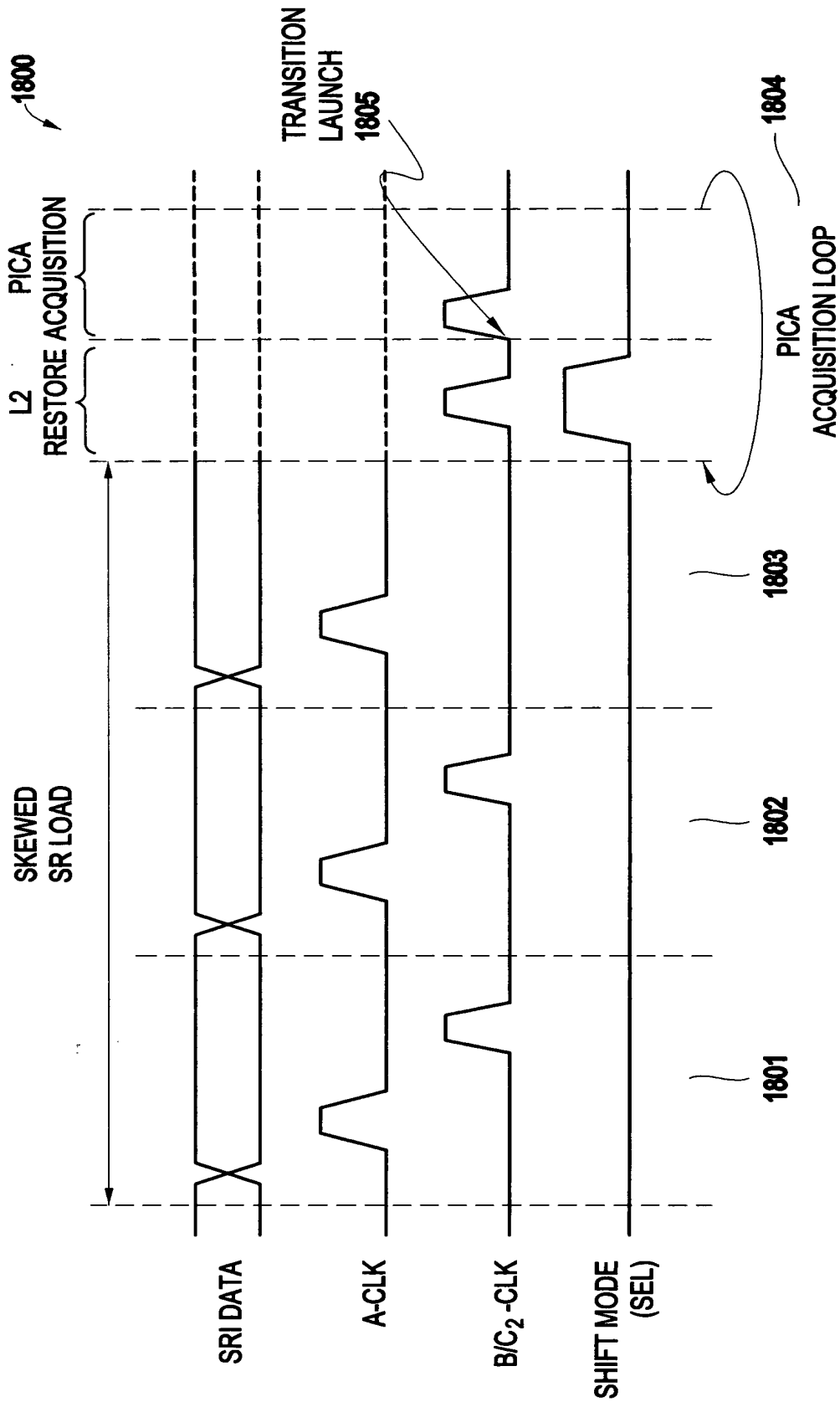


FIG.17



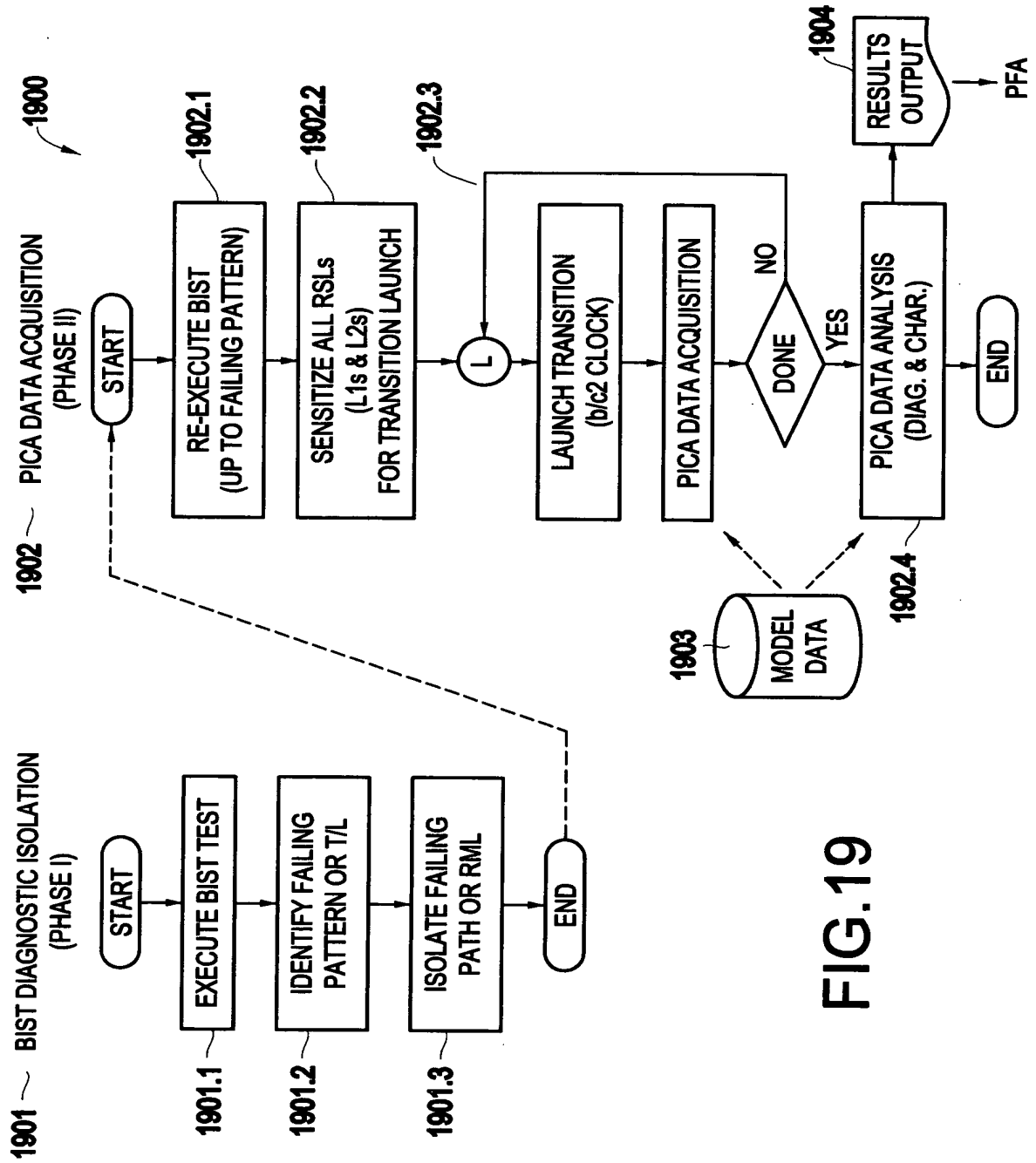


FIG.19

2000

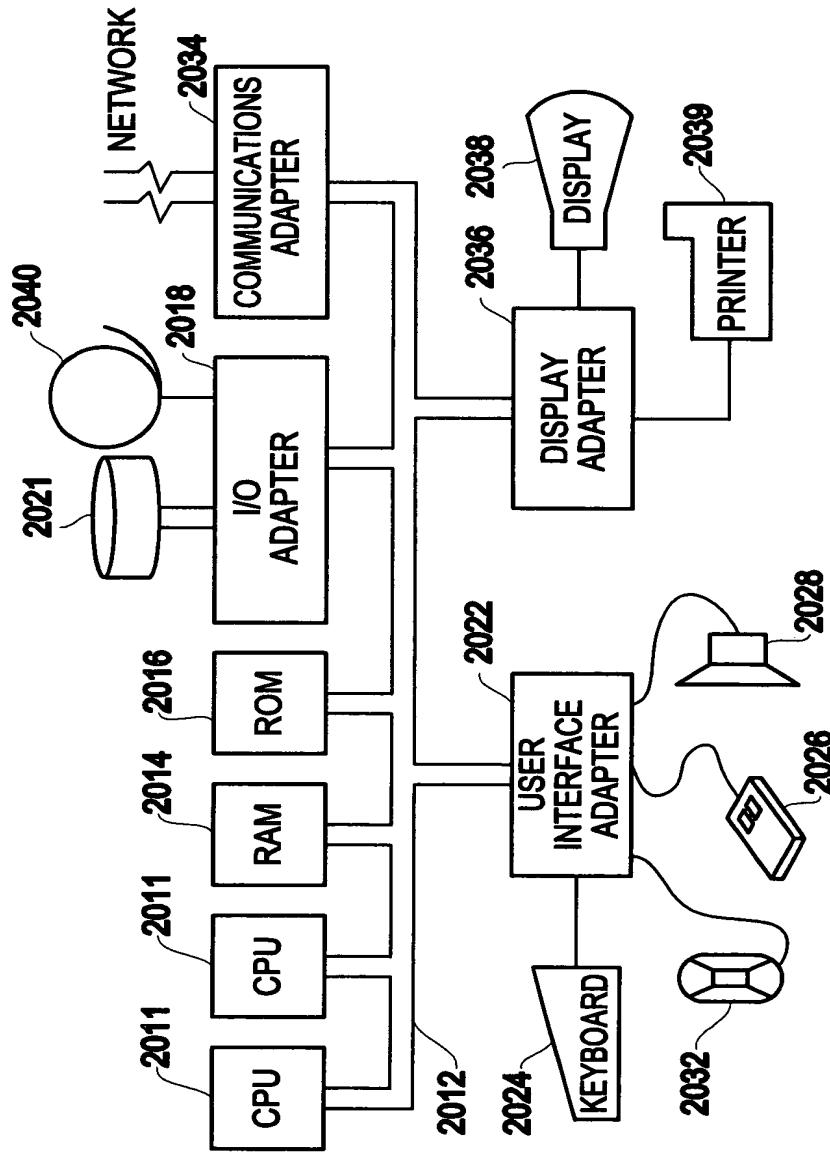


FIG.20

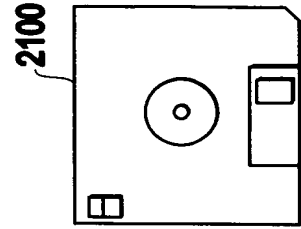


FIG.21